

U.S. ENVIRONMENTAL PROTECTION AGENCY
 POLLUTION/SITUATION REPORT
 Crown Laundry - Removal Polrep



EPA Region 5 Records Ctr.



393930

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region V**

Subject: **POLREP #9**
 Progress PolRep
 Crown Laundry
 B5YW
 Indianapolis, IN
 Latitude: 39.7683040 Longitude: -86.1148780

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 Mark Johnson, ATSDR
 Peter Felitti, U.S. EPA

From: Shelly Lam, On-Scene Coordinator

Date: 5/13/2011

Reporting Period: May 2-13, 2011

1. Introduction

1.1 Background

Site Number:	B5YW	Contract Number:	EP-S5-08-02
D.O. Number:	65	Action Memo Date:	12/17/2010
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action

NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	4/4/2011	Start Date:	4/4/2011
Demob Date:		Completion Date:	
CERCLIS ID:	INN000510503	RCRIS ID:	INR000128884
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

CERCLA Incident Category - Inactive Production Facility

1.1.2 Site Description

1.1.2.1 Location

The Crown Laundry Site is located at 2913 East Washington Street in Indianapolis, Marion County, Indiana, 46201. The geographical coordinates for the Site are Latitude 39.768304° North and Longitude 86.114878° West. The Site is approximately 2.7 acres in size, and contained two commercial/industrial buildings previously used for dry cleaning operations. Crown Laundry is located in a residential and commercial area of Indianapolis, approximately 1.5 miles east of the downtown area. Over 23,000 people live within 1 mile of the Site. Residences are located adjacent to the southern property boundary and 60 feet from the west property boundary.

1.1.2.2 Description of Threat

The Site is an abandoned industrial rug cleaner that operated from 1910-1975. Previous site investigation activities have identified volatile organic compounds (VOC) in soil and groundwater. The Indiana Department of Environmental Management (IDEM) and the City of Indianapolis referred the Site to the United States Environmental Protection Agency (EPA) for a site assessment and possible removal activities.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On October 11, 2010, U.S. EPA and its Superfund Technical Assessment and Response Team (START) contractor conducted a site assessment to determine the need for a removal action.

During the assessment, approximately 25 55-gallon drums and hundreds of small containers (5 gallons or less) were documented on-site. Many of the drums and containers could not be identified by labels. However, several drums and containers were labeled as containing sodium hydroxide, sodium hypochlorite, ammonia, and other hazardous substances. Field screening and hazcatting indicated that many of the materials met Resource Conservation and Recovery Act (RCRA) criteria for characteristic hazardous waste including ignitability and corrosivity. It was also documented that the Site was open and trespassing appeared to be a common occurrence. As such, EPA's On-Scene Coordinator (OSC) determined that there was an immediate threat of fire or explosion and exposure to trespassers and nearby residents from materials in the drums and other containers. EPA conducted emergency stabilization and removal activities October 12-22, 2010. Emergency Pollution Reports (PolRep) 1-3 document emergency removal activities.

Based on the results of the Site Assessment, EPA is conducting a time-critical removal action. The scope of the action includes: conducting removal of underground storage tanks (UST) to include solvent contents; excavating impacted soil that may be source material for vapor intrusion (VI); performing sampling and analysis to determine extent of contamination in soil; performing sampling and analysis to determine disposal options; assessing nearby residential properties for VI which may require the installation of vapor mitigation systems where action levels are exceeded; conducting post-installation proficiency sampling in accordance with the Region 5 VI guidance; transporting and disposing off-site any hazardous substances, pollutants and contaminants at an

approved disposal facility in accordance with EPA's Off-Site Rule.

Analytical results from sub-slab sampling indicated that several chemicals of concern (COC) exceeded the chronic screening levels established by the Agency for Toxic Substances and Disease Registry (ATSDR). As such, EPA collected indoor air samples at those properties. Six properties had indoor air concentrations above chronic screening levels. As such, EPA has offered to install vapor mitigation systems at these properties.

EPA received analytical results for soil borings from the extent-of-contamination survey. IDEM identified their Risk Integrated System of Closure (RISC) default closure levels as an Applicable or Relevant and Appropriate Requirement (ARAR). EPA compared the results to the default residential RISC closure levels. Samples from soil borings S04, S12, S19, S22, S23, S32, and S33 contained COCs above the closure levels. These COCs included benzene; chloromethane; tetrachloroethene (PCE); trichloroethene (TCE); 1,1-dichloroethene (DCE); cis-1,2,-DCE; and vinyl chloride.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

The site is former industrial dry cleaner located in Indianapolis, Indiana. During the Site Assessment, EPA documented USTs containing dry cleaning solvents and soil contamination that could be a source for vapor intrusion.

2.1.2 Response Actions to Date

During the reporting period, U.S. EPA, the Emergency and Rapid Response Service (ERRS), and START contractors conducted the following activities:

- Collected indoor air samples from 2 residences;
- Dewatered tank pits, which were full of rain water; rain water is currently being diverted to a low spot on-site;
- Conducted confined space entry into frac tank to clean it;
- Excavated soil;
- Disposed of 2,957.03 tons of soil at Waste Management's Twin Bridges Landfill;
- Shipped 2,300 gallons of solvent to Clean Water in Dayton for reclamation;
- Shipped 6,998 gallons of waste solvent water to PSC;
- Shipped 19.99 tons of scrap metal off-site for recycling; and
- Maintained site security.

The table below provides information on the USTs:

Tank ID	Contents	Size (gallons)
1	Stoddard solvent	8,000
2	Water	500
3	Empty	90
4	Toluene, ethylbenzene, xylenes, 1,1,1,-trichloroethane, cis-1,2-DCE	850
5	Stoddard solvent	1,100
6	Stoddard solvent	500
7	PCE, xylenes	500
8	Xylenes	850

9	Water/oil	5,000
10	Empty	3,300
11	Oil/water/rocks	1,900
12	Empty	5,000
13	Xylenes	5,000
14	Empty	5,000

Green Measures:

The following is a summary of green measures implemented to date on-site:

- Used 1,800 gallons of biodiesel;
- Recycled plastic, paper, aluminum, glass, batteries, and printer cartridges; and
- Recycled scrap metal.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Information on the PRP is in the site file.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Non-hazardous wastewater	Liquid	4620 gallons	41311	NA	Clean Waters, Dayton, Ohio
Soil	Solid	2,957.03 tons	Various	NA	Twin Bridges Landfill, Danville, IN
Solvent	Liquid	2,300 gallons	T13-050211-1	NA	PSC
Solvent water	Liquid	6,998 gallons	008498324JJK 008498323JJK	NA	Clean Water
Scrap metal	Solid	19.99 tons		NA	Omni Source

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

During the next reporting period, EPA will conduct the following activities:

- Soil excavation;
- Soil disposal;
- Backfill excavations;
- Installation of vapor mitigation systems;
- Air monitoring; and
- Site security.

2.2.1.2 Next Steps

Once removal operations are complete, EPA will refer the Site to IDEM for cleanup of groundwater contamination.

2.2.2 Issues

None

2.3 Logistics Section

Not applicable (NA)

2.4 Finance Section

2.4.1 Narrative

Costs for ERRS are current through May 12th and include costs from the emergency response action. START costs are estimated through May 12th.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$900,000.00	\$411,002.52	\$488,997.48	54.33%
TAT/START	\$60,000.00	\$53,200.00	\$6,800.00	11.33%
Intramural Costs				
Total Site Costs	\$960,000.00	\$464,202.52	\$495,797.48	51.65%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the

time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Safety Officer

OSC Shelly Lam is the overall Safety Officer for removal activities. ERRS also has a Safety Officer who monitors site activities and conducts daily safety briefings.

2.6 Liaison Officer

NA

2.7 Information Officer

2.7.1 Public Information Officer

Jayna Legg and Mick Hans from the Office of Public Affairs (OPA) are the Public Information Officers for the Site.

2.7.2 Community Involvement Coordinator

Megan McSeveney, the Community Involvement Coordinator, has been working with nearby residents to gain access for VI sampling. She is preparing a fact sheet to send to the community about the cleanup work.

3. Participating Entities

3.1 Unified Command

NA

3.2 Cooperating and Assisting Agencies

IDEM

City of Indianapolis

SEND

Marion County Public Health Department

Indiana Finance Authority

4. Personnel On Site

1 OSC

7 ERRS

1 START

5. Definition of Terms

ARAR	Applicable or Relevant and Appropriate Requirements
ATSDR	Agency for Toxic Substances and Disease Registry
COC	Chemicals of Concern
DCE	Dichloroethene
EPA	Environmental Protection Agency
ERRS	Emergency and Rapid Response Services
IDEM	Indiana Department of Environmental Management
IFA	Indiana Finance Authority

NA	Not Applicable
OSC	On-Scene Coordinator
PCE	Tetrachloroethene
POLREP	Pollution Report
PRP	Potentially Responsible Party
RISC	Risk Integrated System of Closure
RCRA	Resource Conservation and Recovery Act
START	Superfund Technical Assessment and Response Team
TCE	Trichloroethene
UST	Underground Storage Tank
VI	Vapor Intrusion
VOC	Volatile Organic Compounds

6. Additional sources of information

6.1 Internet location of additional information/reports

For additional information, refer to www.epaossc.org/crownlaundry.

6.2 Reporting Schedule

PolReps will be submitted on a weekly or bi-weekly schedule.

7. Situational Reference Materials

NA



05/11/2011



05/09/2011